UNITED STATES DEPARTMENT OF THE INTERIOR U. S. GEOLOGICAL SURVEY

QUADRANGLE LOCATION



Plate 1.--Geologic Map of the Cedar City 1° X 2° Quadrangle, Utah compiled by Gary R. Winkler

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DESCRIPTION OF MAP UNITS

- lacustrine, fluvial, and alluvial limestone, calcareous sandstone, conglomerate, and shale; primary features mostly obscured by pedogenic processes; upper part of formation locally is interbedded with, but more commonly overlain by, 32-29 Ma ash-flow tuff; lower Tertiary strata are widespread in nearly continuous outcrops in the High Plateaus and in discontinuous exposures in the Basin and Range

- Chinle Formation (Upper Triassic) Varicolored fluvial and lacustrine rocks, generally sandy near top; limy, muddy, and bentonitic in middle, and sandy and conglomeratic near base; has been divided into several members, which are not uniformly distributed throughout the map area; the Shinarump Member at the base consists of medium-grained to conglomeratic sandstone containing carbonized plant debris, fragmental silicified wood, scattered uranium and vanadium deposits, and picturescue liesegang-banded sandstone; higher

EXPLANATION

CORRELATION OF MAP UNITS

